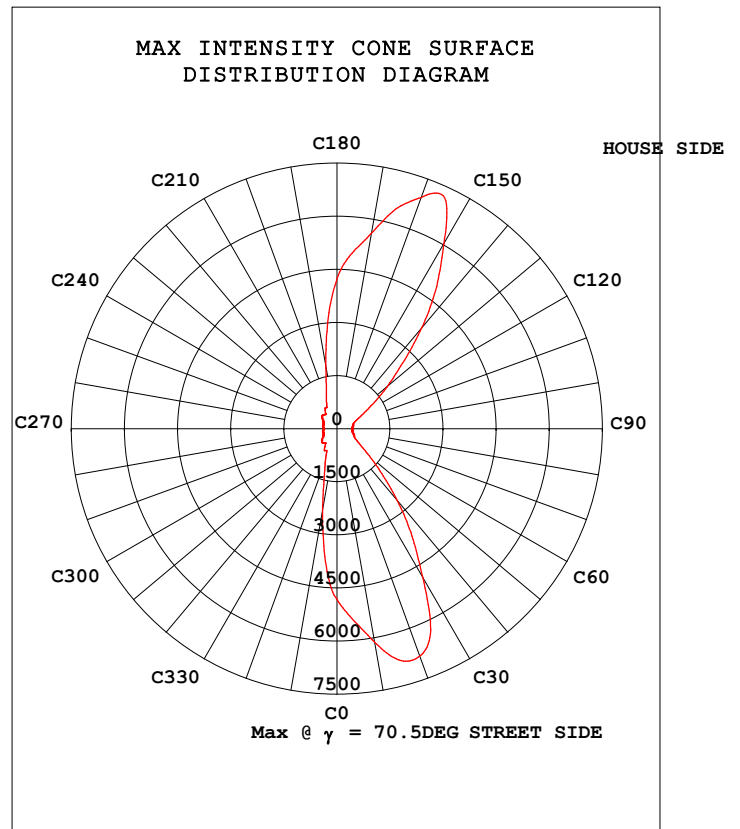
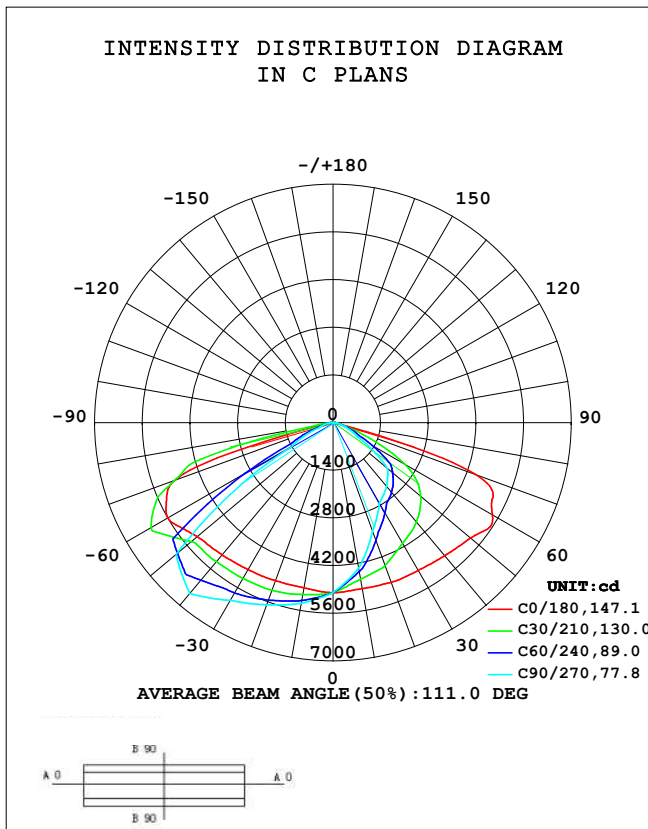


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:220.8V I:0.5667A P:122.6W PF:0.9793 Lamp Flux:17799.8x1 lm		
NAME: OPCITYIII-120W-4070-6C1T3M-0612	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.46X0.236X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.17X0.17	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 145.23 lm/W			
MODEL	LED	Imax (cd)	7205	η street_up (%)	0.0
NOMINAL POWER (W)	120	LOR (%)	100.0	η street_down (%)	50.8
RATED VOLTAGE (V)	220	TOTAL FLUX (lm)	17800	η house_up (%)	0.0
NOMINAL FLUX (lm)	17799.8	MAXIMUM @ (C, γ)	155,70.5	η house_down (%)	49.2
LAMPS INSIDE	1	η up (%)	0.0	76 FLASHAREA (m2)	0.00100
TEST VOLTAGE (V)	220	η down (%)	100.0	SLI	18.390



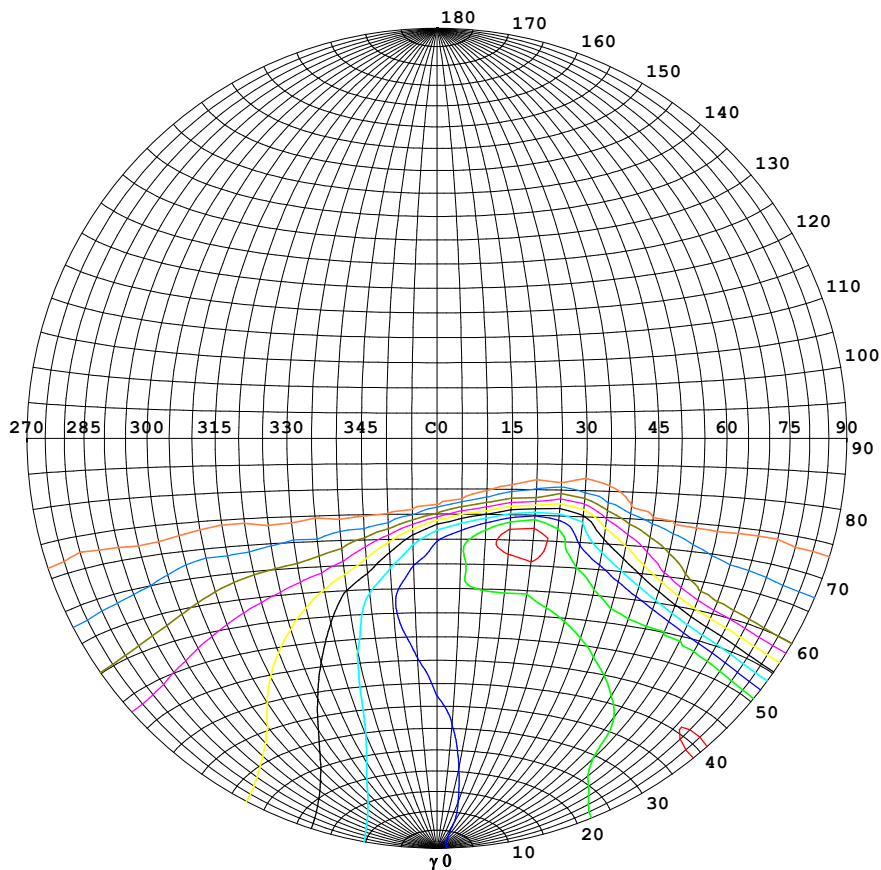
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2022-08-26

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity: 65.0%
Test Distance: 7.370m [K=1.0000]
Remarks:

Note: SLI: Specific Luminaire Index

STREETLIGHT ISOCANDELA DIAGRAM

Test:U:220.8V I:0.5667A P:122.6W PF:0.9793 Lamp Flux:17799.8x1 lm		
NAME: OPCITYIII-120W-4070-6C1T3M-0612	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.46X0.236X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.17X0.17	Shielding Angle:



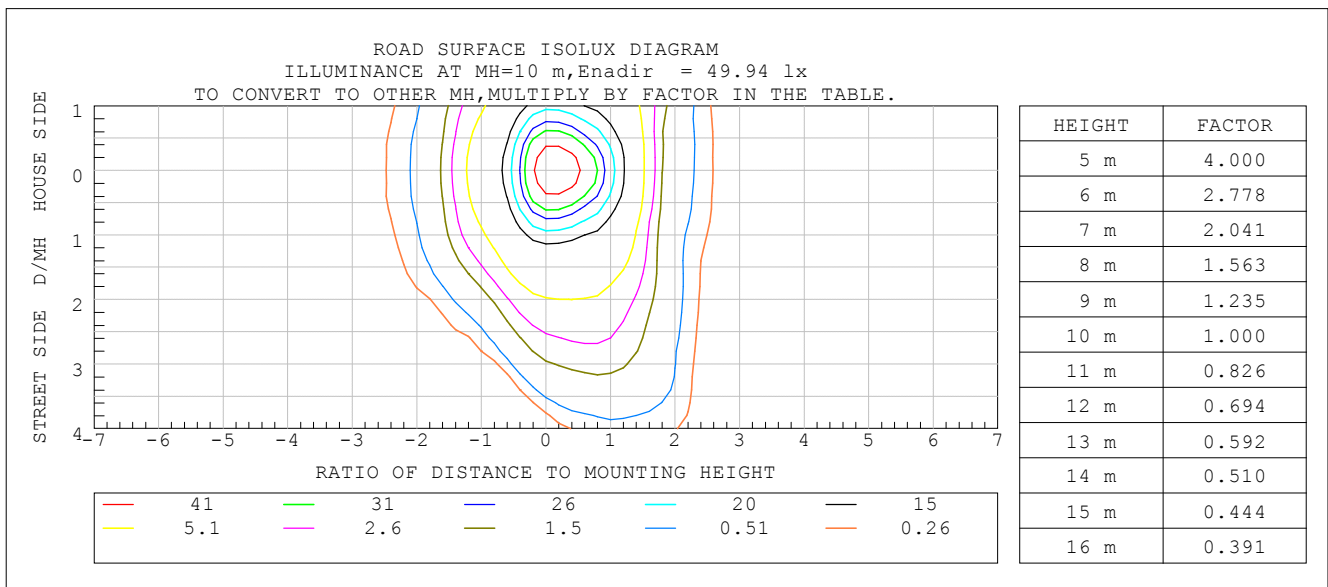
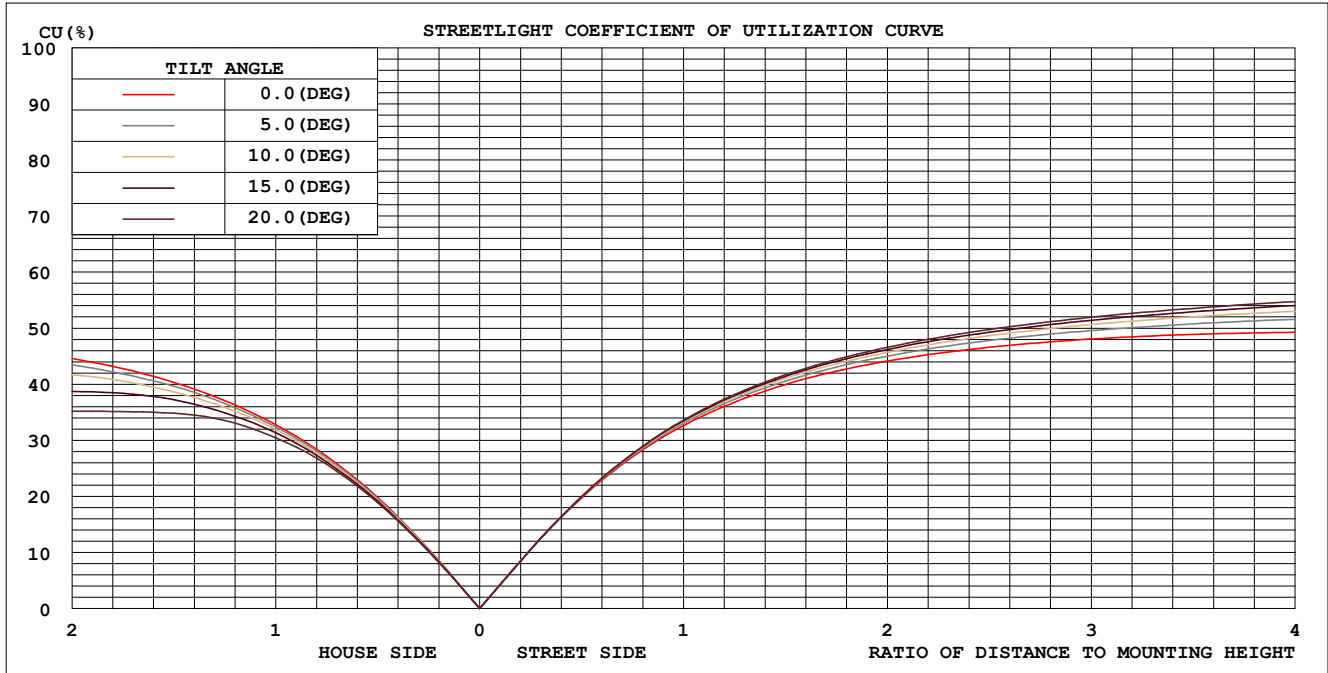
Classification:

IES:Type IV - Medium
CIE:Broad - Long
IES:Cut-off
CIE:Semi-cut-off
Max.At80:62.20cd/klm
Max.At90:3.753cd/klm
Max.80-90:62.20cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
I _{max} =100%	7205
90%	6484
80%	5764
70%	5043
60%	4323
50%	3602
40%	2882
30%	2161
20%	1441
10%	720
5%	360

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-08-26

gamma Range: 0 - 90DEG
gamma Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

COEFFICIENT OF UTILIZATION CURVE
AND ISOLUX DIAGRAM

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2022-08-26

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity: 65.0%
Test Distance: 7.370m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

Test:U:220.8V I:0.5667A P:122.6W PF:0.9793 Lamp Flux:17799.8x1 lm		
NAME: OPCITYIII-120W-4070-6C1T3M-0612	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.46X0.236X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.17X0.17	Shielding Angle:

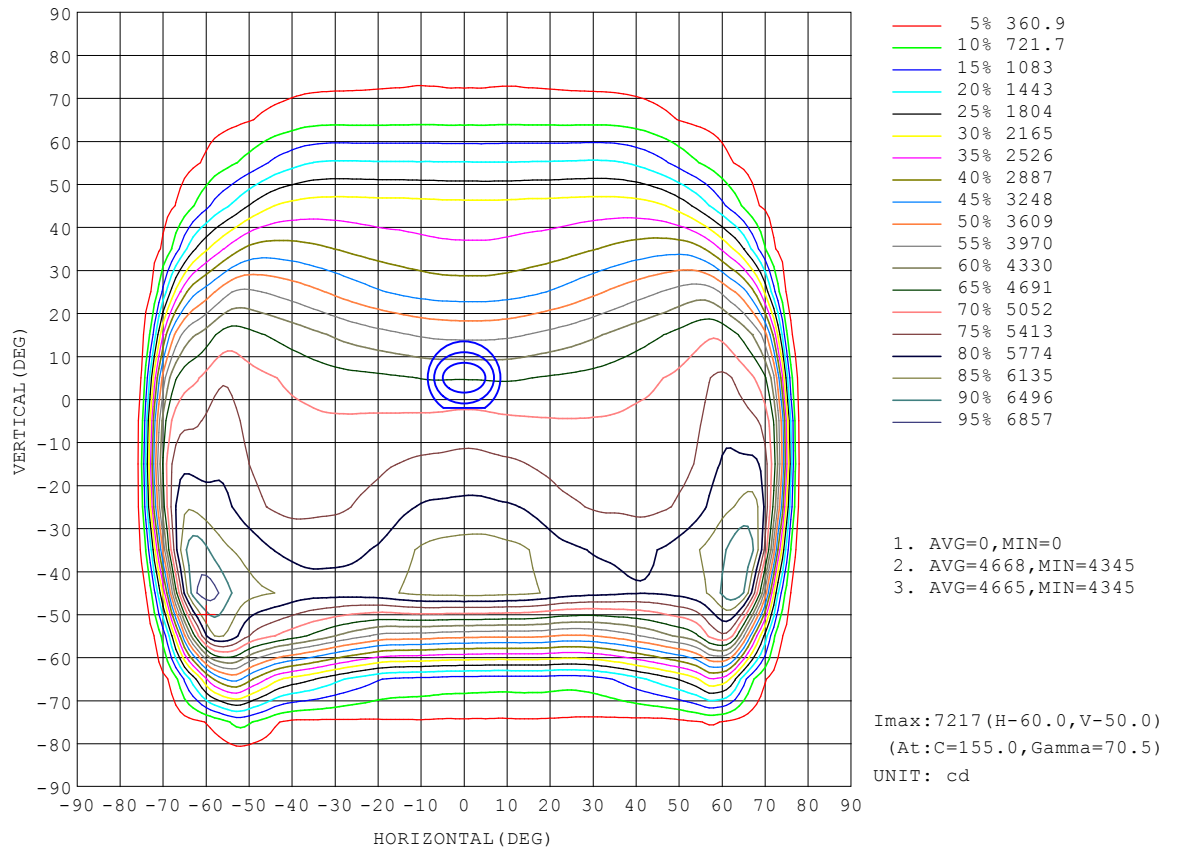
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	lum,lamp
5	4964	5117	5190	5118	4969	4760	4670	4755	0- 5	118.6	118.6	0.67,0.67
10	4924	5218	5386	5227	4949	4541	4346	4529	5- 10	351.2	469.9	2.64,2.64
15	4925	5325	5539	5348	4966	4342	3871	4320	10- 15	575.8	1046	5.87,5.87
20	4941	5398	5692	5425	4991	4038	3397	4024	15- 20	787.4	1833	10.3,10.3
25	4967	5440	5859	5482	5007	3736	3063	3739	20- 25	985.2	2818	15.8,15.8
30	4989	5471	6027	5493	5013	3491	2728	3499	25- 30	1172	3990	22.4,22.4
35	5022	5484	6288	5474	5049	3259	2590	3266	30- 35	1348	5338	30,30
40	5073	5535	6550	5478	5102	3021	2451	3030	35- 40	1522	6860	38.5,38.5
45	5129	5769	6286	5674	5179	2859	2272	2861	40- 45	1680	8540	48,48
50	5213	6050	6021	5922	5275	2622	2092	2623	45- 50	1804	10344	58.1,58.1
55	5409	5828	3715	5939	5489	2314	1460	2329	50- 55	1851	12195	68.5,68.5
60	5608	5317	1409	5779	5408	1885	827.3	1915	55- 60	1709	13904	78.1,78.1
65	5401	3437	925.8	4447	5188	1159	613.9	1187	60- 65	1451	15355	86.3,86.3
70	4959	1921	442.1	2824	4461	589.3	400.4	607.9	65- 70	1210	16564	93.1,93.1
75	1548	513.3	314.0	784.8	634.0	308.9	268.4	309.6	70- 75	829.6	17394	97.7,97.7
80	196.3	225.3	185.9	346.5	165.4	182.3	136.3	173.9	75- 80	311.4	17705	99.5,99.5
85	103.8	61.60	0	65.60	70.07	48.60	0	43.14	80- 85	82.70	17788	99.9,99.9
90	66.81	0	0	0	57.83	0	0	0	85- 90	11.77	17800	100,100
95									90- 95			
100									95-100			
105									100-105			
110									105-110			
115									110-115			
120									115-120			
125									120-125			
130									125-130			
135									130-135			
140									135-140			
145									140-145			
150									145-150			
155									150-155			
160									155-160			
165									160-165			
170									165-170			
175									170-175			
180									175-180			
DEG	LUMINOUS INTENSITY:cd								UNIT:lm			

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-08-26

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

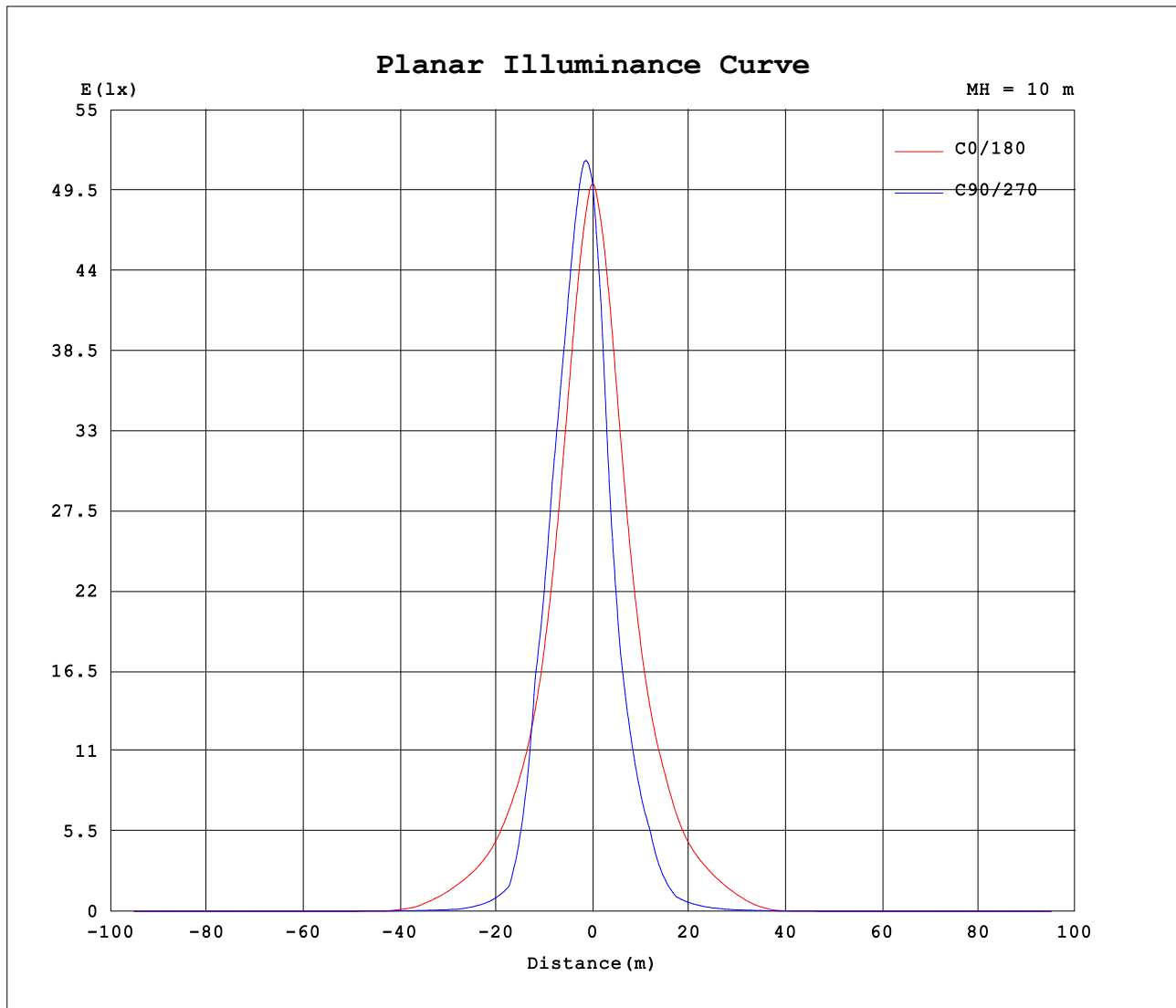
Test:U:220.8V I:0.5667A P:122.6W PF:0.9793 Lamp Flux:17799.8x1 lm		
NAME: OPCITYIII-120W-4070-6C1T3M-0612	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.46X0.236X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.17X0.17	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-08-26

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

Planar Illuminance Curve



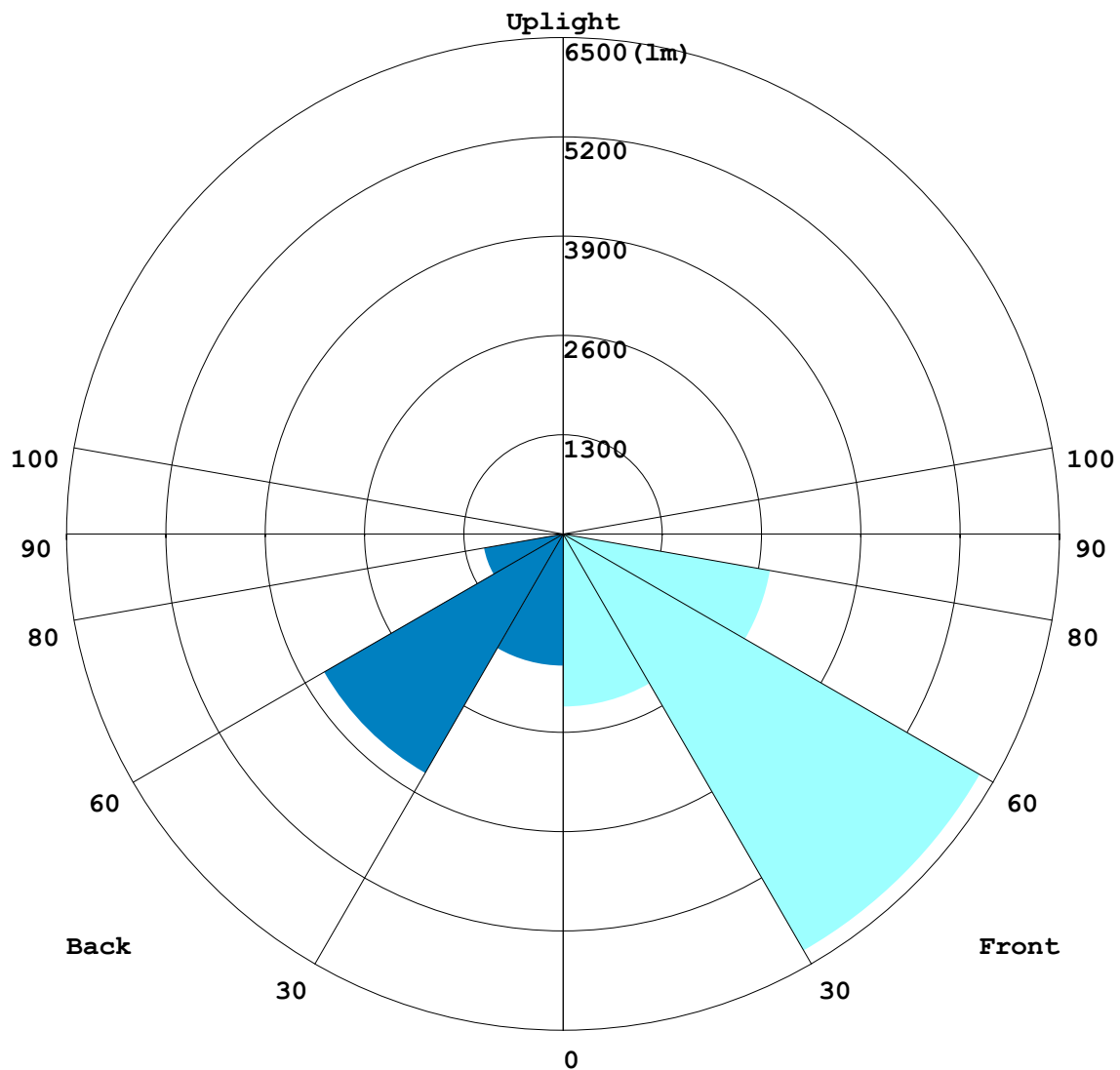
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2022-08-26

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity: 65.0%
Test Distance: 7.370m [K=1.0000]
Remarks:

LCS REPORT

Test:U:220.8V I:0.5667A P:122.6W PF:0.9793 Lamp Flux:17799.8x1 lm		
NAME: OPCITYIII-120W-4070-6C1T3M-0612	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.46X0.236X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.17X0.17	Shielding Angle:

LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-08-26

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

BUG REPORT

Test:U:220.8V I:0.5667A P:122.6W PF:0.9793 Lamp Flux:17799.8x1 lm		
NAME: OPCITYIII-120W-4070-6C1T3M-0612	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.46X0.236X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.17X0.17	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	2262.6	12.7
FM - Front-Medium(30-60)	6299.3	35.4
FH - Front-High(60-80)	2750.3	15.5
FVH - Front-Very High(80-90)	60.763	0.3
Total Forward Light	11373	63.9

BL - Back-Low(0-30)	1727.1	9.7
BM - Back-Medium(30-60)	3614.6	20.3
BH - Back-High(60-80)	1051.4	5.9
BVH - Back-Very High(80-90)	33.709	0.2
Total Back Light	6426.8	36.1

UL - Uplight-Low(90-100)	0	0.0
UH - Uplight-High(100-180)	0	0.0
Total Up Light	0	0.0

BUG(Back,Up,Glare) Rating	B3-U0-G3
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	6426.8	0	6426.8
Street Side	11373	0	11373

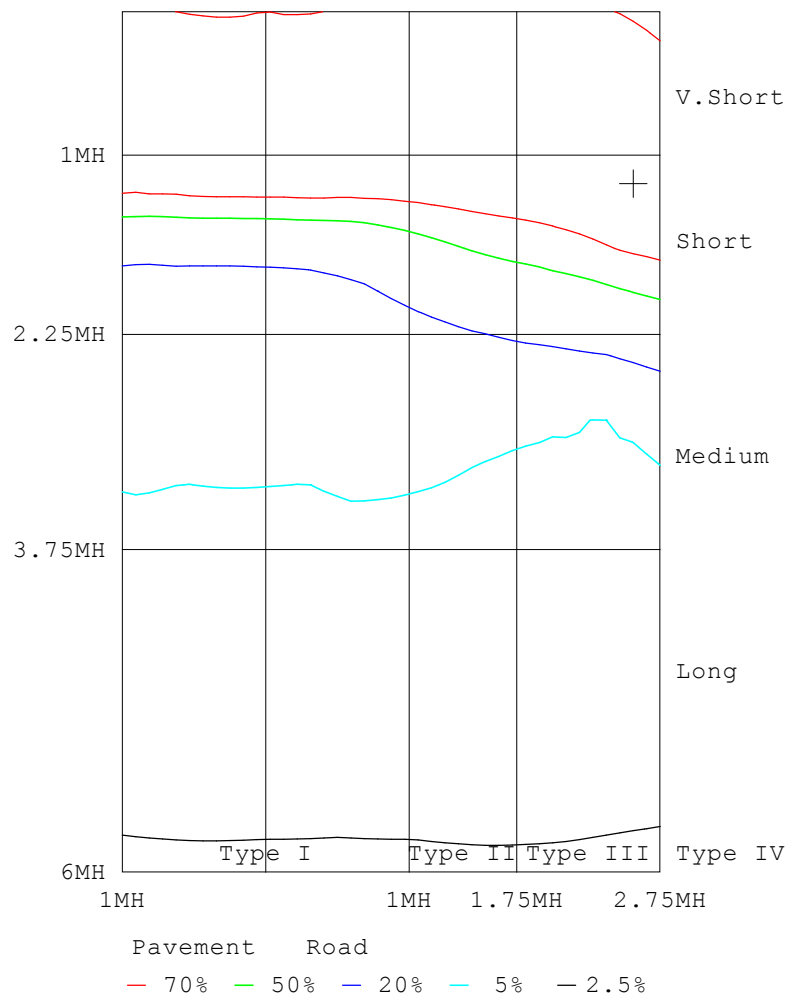
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-08-26

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

ROAD ISOCANDELA REPORT

Test:U:220.8V I:0.5667A P:122.6W PF:0.9793 Lamp Flux:17799.8x1 lm		
NAME: OPCITYIII-120W-4070-6C1T3M-0612	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.46X0.236X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.17X0.17	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-08-26

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
 Humidity:65.0%
 Test Distance:7.370m [K=1.0000]
 Remarks:

```

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

```

```

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

```

```

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

```

```

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

```